

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 September 2003 (04.09.2003)

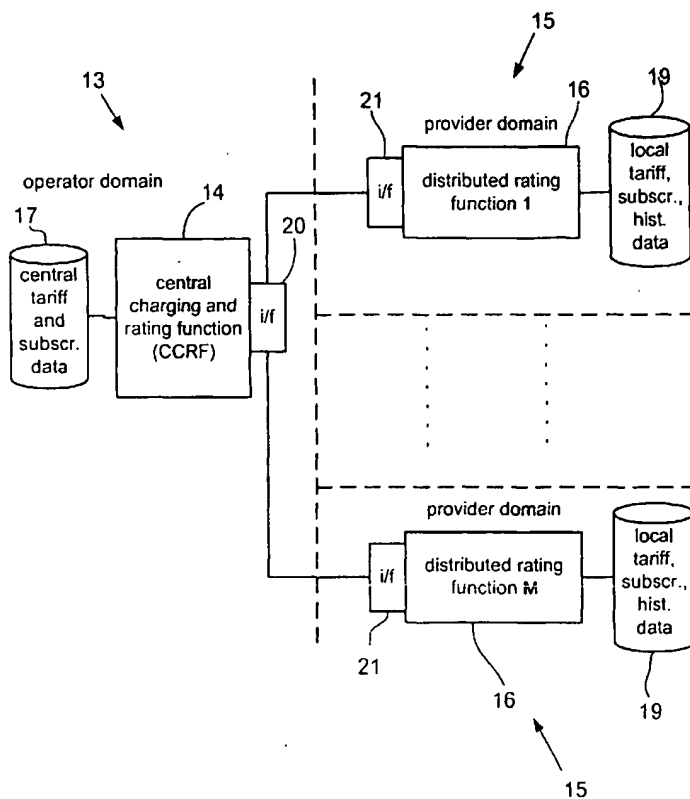
PCT

(10) International Publication Number
WO 03/073693 A1

- (51) International Patent Classification⁷: **H04L 12/14**, 29/06, G06F 1/00
- (21) International Application Number: PCT/SE03/00148
- (22) International Filing Date: 29 January 2003 (29.01.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0200648-4 28 February 2002 (28.02.2002) SE
- (71) Applicant (for all designated States except US): **TELEFONAKTIEBOLAGET L M ERICSSON [SE/SE]**; S-126 25 Stockholm (SE).
- (72) Inventor; and
(75) Inventor/Applicant (for US only): **KARLSSON, Stefan [SE/SE]**; Arklimästaregatan 46C 4v ög, S-371 36 Karlskrona (SE).
- (74) Agent: **STRÖM & GULLIKSSON**; Intellectual Property Consulting AB, P.O. Box 793, S-220 07 Lund (SE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: A METHOD AND DISTRIBUTED RATING SYSTEM FOR DETERMINING RATING DATA IN A CHARGING SYSTEM



(57) Abstract: A method and distributed rating system for determining rating data for services and subscribers in a communications network, wherein data associated with a service or subscriber is accessed (101), a rating request, including the accessed data is sent (103) to a distributed rating means (16, 19, 21) for distributed rating. Rating data are accessed and determined for the service or subscriber based on distributed data (19) protected against access from central rating means (14, 17, 20) and on received service data for transmission to the central rating means (14, 17, 20). Resulting rating data are received in the central rating means (14, 17, 20) and a rating value is determined for charging a subscriber based on the received rating data.

WO 03/073693 A1